

IN THE CLAIMS:

Please amend Claims 19, 21, 24 and 26, and add new Claims 34 to 55 as shown below. The claims, as pending in the subject application, now read as follows:

1. to 18. (Canceled)

19. (Currently amended) A print control apparatus comprising:

~~a designation unit adapted for designating an image compression ratio;~~

a discrimination unit adapted for discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registration unit adapted for generating an image based on the display list which is being generated, compressing the generated image such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination unit discriminates that the size of the display list exceeds the size of the work memory;

a rendering unit adapted for generating an image based on the display list which is being generated, and compressing the generated image in accordance with a designated ~~designated by said designation unit~~ [[the]] image compression ratio such that the compressed image is contained in the buffer, if said discrimination unit discriminates that the size of the display list does not exceed the size of the work memory; and

a print unit adapted for printing an image obtained by decompressing the image compressed by said rendering unit in accordance with a set compression ratio.

20. (Previously presented) An apparatus according to Claim 19, further comprising a changing unit adapted for changing the set compression ratio.

21. (Currently amended) An apparatus according to Claim 19, wherein said print unit does not print the image obtained by decompressing the image compressed by said rendering unit if the designated image compression ratio ~~designated by said designation unit~~ exceeds the set compression ratio.

22. (Previously presented) An apparatus according to Claim 19, wherein said registration unit compresses the generated image, discriminates whether the compressed image is contained in the buffer, and if it is discriminated that the compressed image is not contained in the buffer, changes the image compression ratio and compresses the generated image in accordance with the changed compression ratio such that the compressed image is contained in the buffer.

23. (Previously presented) An apparatus according to Claim 19, wherein the compression ratio includes QID in JPEG.

24. (Currently amended) A print control method comprising:
~~a designation step of designating an image compression ratio;~~
a discrimination step of discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registration step of generating an image based on the display list which is being generated, compressing the generated image such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination step discriminates that the size of the display list exceeds the size of the work memory;

a rendering step of generating an image based on the display list which is being generated, and compressing the generated image in accordance with a designated [[the]] image compression ratio ~~designated in said designation step~~ such that the compressed image is contained in the buffer, if said discrimination step discriminates that the size of the display list does not exceed the size of the work memory; and

a print step of printing an image obtained by decompressing the image compressed in said rendering step in accordance with a set compression ratio.

25. (Previously presented) A method according to Claim 24, further comprising a changing step of changing the set compression ratio.

26. (Currently amended) A method according to Claim 24, wherein said print step does not print the image obtained by decompressing the image compressed in said rendering step if the designated image compression ratio ~~designated in said designation step~~ exceeds the set compression ratio.

27. (Previously presented) A method according to Claim 24, wherein said registration step compresses the generated image, discriminates whether the compressed image is contained in the buffer, and if it is discriminated that the compressed image is not contained in the buffer, changes the image compression ratio and compresses the generated image in accordance with the changed compression ratio such that the compressed image is contained in the buffer.

28. (Previously presented) A method according to Claim 24, wherein the compression ratio includes QID in JPEG.

29. (Previously presented) A computer-readable storage medium storing a computer-executable program for a print control method comprising:

a discrimination step of discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registration step of generating an image based on the display list which is being generated, compressing the generated image such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination step discriminates that the size of the display list exceeds the size of the work memory;

a rendering step of generating an image based on the display list which is being generated, and compressing the generated image in accordance with a designated image compression ratio such that the compressed image is contained in the buffer, if said

discrimination step discriminates that the size of the display list does not exceed the size of the work memory; and

a print step of printing an image obtained by decompressing the image compressed in said rendering step in accordance with a set compression ratio.

30. (Previously presented) A computer-readable storage medium according to Claim 29, wherein the method further comprises a changing step of changing the set compression ratio.

31. (Previously presented) A computer-readable storage medium according to Claim 29, wherein said print step does not print the image obtained by decompressing the image compressed in said rendering step if the designated image compression ratio exceeds the set compression ratio.

32. (Previously presented) A computer-readable storage medium according to Claim 29, wherein said registration step compresses the generated image, discriminates whether the compressed image is contained in the buffer, and if it is discriminated that the compressed image is not contained in the buffer, changes the image compression ratio and compresses the generated image in accordance with the changed compression ratio such that the compressed image is contained in the buffer.

33. (Previously presented) A computer-readable storage medium according to Claim 29, wherein the compression ratio includes QID in JPEG.

34. (New) A print control apparatus comprising:

a discrimination unit adapted for discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registration unit adapted for generating an image based on the display list, compressing the generated image in accordance with a set image compression ratio such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination unit discriminates that the size of the display list exceeds the size of the work memory, wherein if the compressed image is not contained in the buffer, said registration unit changes the set image compression ratio and compresses the generated image in accordance with the changed image compression ratio such that the compressed image is contained in the buffer, and registers the compressed image as a background image in the display list;

a rendering unit adapted for generating an image based on the display list, and compressing the generated image in accordance with a set image compression ratio such that the compressed image is contained in the buffer, if said discrimination unit discriminates that the size of the display list does not exceed the size of the work memory, wherein if the compressed image is not contained in the buffer, said rendering unit changes the set image compression ratio and compresses the generated image in accordance with the changed image compression ratio such that the compressed image is contained in the buffer; and

a print unit adapted for printing an image obtained by decompressing the image compressed by said rendering unit, if the changed image compression ratio does not

exceed a designated compression ratio, wherein said print unit does not print the image obtained by decompressing the image compressed by said rendering unit, if the changed image compression ratio exceeds the designated compression ratio.

35. (New) An apparatus according to Claim 34, further comprising a changing unit adapted for changing the designated compression ratio.

36. (New) An apparatus according to Claim 34, wherein said registration unit sets a compression error flag if the changed image compression ratio exceeds the designated compression ratio, wherein said rendering unit sets a compression error flag, if the changed image compression ratio exceeds the designated compression ratio, and wherein said print unit prints the image obtained by decompressing the image compressed by said rendering unit if the error flag is set, and does not print the image obtained by decompressing the image compressed by said rendering unit if the error flag is not set.

37. (New) A print control apparatus comprising:

a setting unit adapted for setting an image compression ratio;

a discrimination unit adapted for discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registration unit adapted for generating an image based on the display list which is being generated, compressing the generated image such that the compressed image is contained in a buffer, and registering the compressed image as a background

image in the display list, if said discrimination unit discriminates that the size of the display list exceeds the size of the work memory;

a rendering unit adapted for generating an image based on the display list which is being generated, and compressing the generated image such that the compressed image is contained in the buffer, if said discrimination unit discriminates that the size of the display list does not exceed the size of the work memory; and

a print unit adapted for printing an image obtained by decompressing the image compressed by said rendering unit in accordance with the image compression ratio set by said setting unit.

38. (New) An apparatus according to Claim 37, wherein said setting unit comprises an operation panel.

39. (New) An apparatus according to Claim 37, wherein said print unit does not print the image obtained by decompressing the image compressed by said rendering unit if the image compression ratio set by said setting unit exceeds the set compression ratio.

40. (New) An apparatus according to Claim 37, wherein said registration unit compresses the generated image, discriminates whether the compressed image is contained in the buffer, and if it is discriminated that the compressed image is not contained in the buffer, changes the image compression ratio and compresses the generated

image in accordance with the changed compression ratio such that the compressed image is contained in the buffer.

41. (New) An apparatus according to Claim 37, wherein the compression ratio includes QID in JPEG.

42. (New) A print control method comprising:

a discrimination step of discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registering step of generating an image based on the display list, compressing the generated image in accordance with a set image compression ratio such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination step discriminates that the size of the display list exceeds the size of the work memory, wherein if the compressed image is not contained in the buffer, said registering step changes the set image compression ratio and compresses the generated image in accordance with the changed image compression ratio such that the compressed image is contained in the buffer, and registers the compressed image as a background image in the display list;

a rendering step of generating an image based on the display list, and compressing the generated image in accordance with a set image compression ratio such that the compressed image is contained in the buffer, if said discrimination step discriminates that the size of the display list does not exceed the size of the work memory,

wherein if the compressed image is not contained in the buffer, said rendering step changes the set image compression ratio and compresses the generated image in accordance with the changed image compression ratio such that the compressed image is contained in the buffer; and

a printing step of printing an image obtained by decompressing the image compressed by said rendering step, if the changed image compression ratio does not exceed a designated compression ratio, wherein said printing step does not print the image obtained by decompressing the image compressed in said rendering step, if the changed image compression ratio exceeds the designated compression ratio.

43. (New) A method according to Claim 34, further comprising a changing step of changing the designated compression ratio.

44. (New) A method according to Claim 34, wherein said registering step sets a compression error flag if the changed image compression ratio exceeds the designated compression ratio, wherein said rendering step sets a compression error flag, if the changed image compression ratio exceeds the designated compression ratio, and wherein said printing step prints the image obtained by decompressing the image compressed in said rendering step if the error flag is set, and does not print the image obtained by decompressing the image compressed in said rendering step if the error flag is not set.

45. (New) A print control method comprising:

a setting step of setting an image compression ratio;

a discrimination step of discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registering step of generating an image based on the display list which is being generated, compressing the generated image such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination step discriminates that the size of the display list exceeds the size of the work memory;

a rendering step of generating an image based on the display list which is being generated, and compressing the generated image such that the compressed image is contained in the buffer, if said discrimination step discriminates that the size of the display list does not exceed the size of the work memory; and

a printing step of printing an image obtained by decompressing the image compressed in said rendering step in accordance with the image compression ratio set in said setting step

46. (New) A method according to Claim 37, wherein said printing step does not print the image obtained by decompressing the image compressed in said rendering step if the image compression ratio set in said setting step exceeds the set compression ratio.

47. (New) A method according to Claim 37, wherein said registering step compresses the generated image, discriminates whether the compressed image is contained in the buffer, and if it is discriminated that the compressed image is not contained in the buffer, changes the image compression ratio and compresses the generated image in accordance with the changed compression ratio such that the compressed image is contained in the buffer.

48. (New) A method according to Claim 37, wherein the compression ratio includes QID in JPEG.

49. (New) A computer-readable storage medium storing a computer-executable program, the computer-executable program comprising:

a discrimination step of discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registering step of generating an image based on the display list, compressing the generated image in accordance with a set image compression ratio such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination step discriminates that the size of the display list exceeds the size of the work memory, wherein if the compressed image is not contained in the buffer, said registering step changes the set image compression ratio and compresses the generated image in accordance with the changed

image compression ratio such that the compressed image is contained in the buffer, and registers the compressed image as a background image in the display list;

a rendering step of generating an image based on the display list, and compressing the generated image in accordance with a set image compression ratio such that the compressed image is contained in the buffer, if said discrimination step discriminates that the size of the display list does not exceed the size of the work memory, wherein if the compressed image is not contained in the buffer, said rendering step changes the set image compression ratio and compresses the generated image in accordance with the changed image compression ratio such that the compressed image is contained in the buffer; and

a printing step of printing an image obtained by decompressing the image compressed in said rendering step, if the changed image compression ratio does not exceed a designated compression ratio, wherein said printing step does not print the image obtained by decompressing the image compressed in said rendering step, if the changed image compression ratio exceeds the designated compression ratio.

50. (New) A computer-executable program according to Claim 34, further comprising a changing step of changing the designated compression ratio.

51. (New) A computer-executable program according to Claim 34, wherein said registering step sets a compression error flag if the changed image compression ratio exceeds the designated compression ratio, wherein said rendering step sets a compression error flag, if the changed image compression ratio exceeds the

designated compression ratio, and wherein said printing step prints the image obtained by decompressing the image compressed in said rendering step if the error flag is set, and does not print the image obtained by decompressing the image compressed in said rendering step if the error flag is not set.

52. (New) A computer-readable storage medium storing a computer-executable program, the computer-executable program comprising:

a setting step of setting an image compression ratio;

a discrimination step of discriminating, in receiving print data and generating a display list, whether a size of the display list exceeds a size of a work memory;

a registering step of generating an image based on the display list which is being generated, compressing the generated image such that the compressed image is contained in a buffer, and registering the compressed image as a background image in the display list, if said discrimination step discriminates that the size of the display list exceeds the size of the work memory;

a rendering step of generating an image based on the display list which is being generated, and compressing the generated image such that the compressed image is contained in the buffer, if said discrimination step discriminates that the size of the display list does not exceed the size of the work memory; and

a printing step of printing an image obtained by decompressing the image compressed in said rendering step in accordance with the image compression ratio set in said setting step.

53. (New) A computer-executable program according to Claim 37, wherein said printing step does not print the image obtained by decompressing the image compressed in said rendering step if the image compression ratio set in said setting step exceeds the set compression ratio.

54. (New) A computer-executable program according to Claim 37, wherein said registering step compresses the generated image, discriminates whether the compressed image is contained in the buffer, and if it is discriminated that the compressed image is not contained in the buffer, changes the image compression ratio and compresses the generated image in accordance with the changed compression ratio such that the compressed image is contained in the buffer.

55. (New) A computer-executable program according to Claim 37, wherein the compression ratio includes QID in JPEG.